

**TYLER  
DISTRICT  
COLLEGE**

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CATALOGUE 1963-64

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ANNOUNCEMENTS  
FOR 1964-65

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TYLER, TEXAS

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# TYLER DISTRICT COLLEGE

A Public Junior College

Operated by the Tyler Junior College District

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H. E. Jenkins, Ph.D. .... President

E. B. Long, M.A. .... Dean

R. H. Barrett, M.B.A. .... Business Manager

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# TYLER DISTRICT COLLEGE

TYLER, TEXAS



## GENERAL COLLEGE CALENDAR

1964 - 65

### FALL SEMESTER — 1964

September 2-9 .....	Orientation and Registration Freshman Testing Program
September 10 .....	Classes Begin
November 26-27 .....	Thanksgiving Holidays
December 21 .....	First Christmas Holiday
January 4, 1965 .....	Classes Resumed
January 18-20 .....	Fall Semester Final Examinations

### SPRING SEMESTER—1965

January 25-27 .....	Registration for Spring Semester
January 28 .....	Classes Begin
April 16-19 .....	Easter Holidays
May 27-28 .....	Spring Semester Final Examinations



## FACULTY

### President

H. E. Jenkins  
Ph.D., University of Texas

### Dean-Registrar

E. B. Long  
M.A., University of Michigan

### Librarian

Julia B. Warren  
M.S. in L.S., North Carolina State College

### Business Administration

Grace A. Hartwell  
M.A., Texas Southern University

### Education

Theodore R. Griffith  
M.S., State University of Iowa

### English

N. Garnette Francis  
B.A., Prairie View State College

Lula M. Ward  
M.A., Columbia University

### French

Alcavis D. Walters  
B.A., Alabama State College  
Graduate Work:  
Atlanta University  
Rutgers University

**Health and Physical Education**

Rosalyn F. Smith

B.S., Virginia State College

Graduate Work:

Texas Southern University

**Home Economics**

Minnie L. Williams\*

M.S., New York University

**Music**

Clifford C. Hodge\*

M.Mus. Ed., Vandercook College of Music

**Science and Mathematics**

Isaac C. Dugas, Jr.

M.S., Texas Southern University

Versia M. L. Lacy

M.S., Atlanta University

**Social Science**

Barbara J. Boston

M.A. Atlanta University

Elizabeth I. Howze

M.A. Atlanta University



## **GENERAL INFORMATION**

The Tyler District College is operated by the Tyler Junior College District.

Students residing in the Tyler Junior College District are entitled to priority in enrollment. Others will be admitted if faculty and building facilities are sufficient. The college reserves the right to limit the enrollment of students residing outside the Tyler Junior College District whenever, in its judgment, facilities are not available for additional students.

The tuition rate charged such non-resident students is subject to increase without notice.

### **Location of the College**

The Tyler District College occupies modern buildings and facilities over which it has full legal contract and possession. The main college occupies two modern buildings, leased for college purposes from Texas College, on a site likewise secured by lease from that institution.

### **The Purpose of the College**

The course of study is intended to meet the needs of students who expect to take four year of college work, of those who expect to enter professional schools, and those who expect to begin life's work after completing two years in college. The ultimate aim is to prepare for good citizenship.

### **Accrediting of the College**

The Tyler District College is a full member of the Texas Association of Colleges and American Association of Junior Colleges.

Membership in these accrediting associations makes possible the transfer of credit work in Tyler District College to other colleges and universities.

### **Activities**

The Tyler District College provides various types of student activities which furnish training in leadership, afford opportunities for diversion, and serves as a means of the development of the student.

### **Requirements for Admission**

Students will avoid delay in registering by sending a transcript of credits from the high school or college last attended. This should be done at least two weeks before the date of registration.

Graduation from a standard high school with at least fifteen units of high school credit, including three units in English, is required for admission. The elective units must be chosen from the list approved by the Texas Education Agency.

### Library and Laboratory Facilities

Since the Tyler District College is adjacent to the Texas College, an agreement has been made with that institution for joint use of laboratory and library facilities.

### Tuition and Fees

Tuition rates in Tyler District College are low, since the college is partially supported by the State of Texas.

Tuition is due in full at the beginning of the semester.

Tuition rates per semester are as follows:

Residents of the Tyler Junior College District:

	Tuition Per Semester
For three or more subjects.....	\$ 60.00
For two subjects.....	40.00
For one subject.....	20.00
Non-residents of the Tyler Junior College District (Living in Texas)	
For three or more subjects.....	\$ 90.00
For two subjects.....	70.00
For one subject.....	35.00
Out of State Students.....	200.00
Late Registration Fee.....	5.00
Laboratory Fee (per laboratory course).....	2.00

Music tuition per semester—Individual lessons.

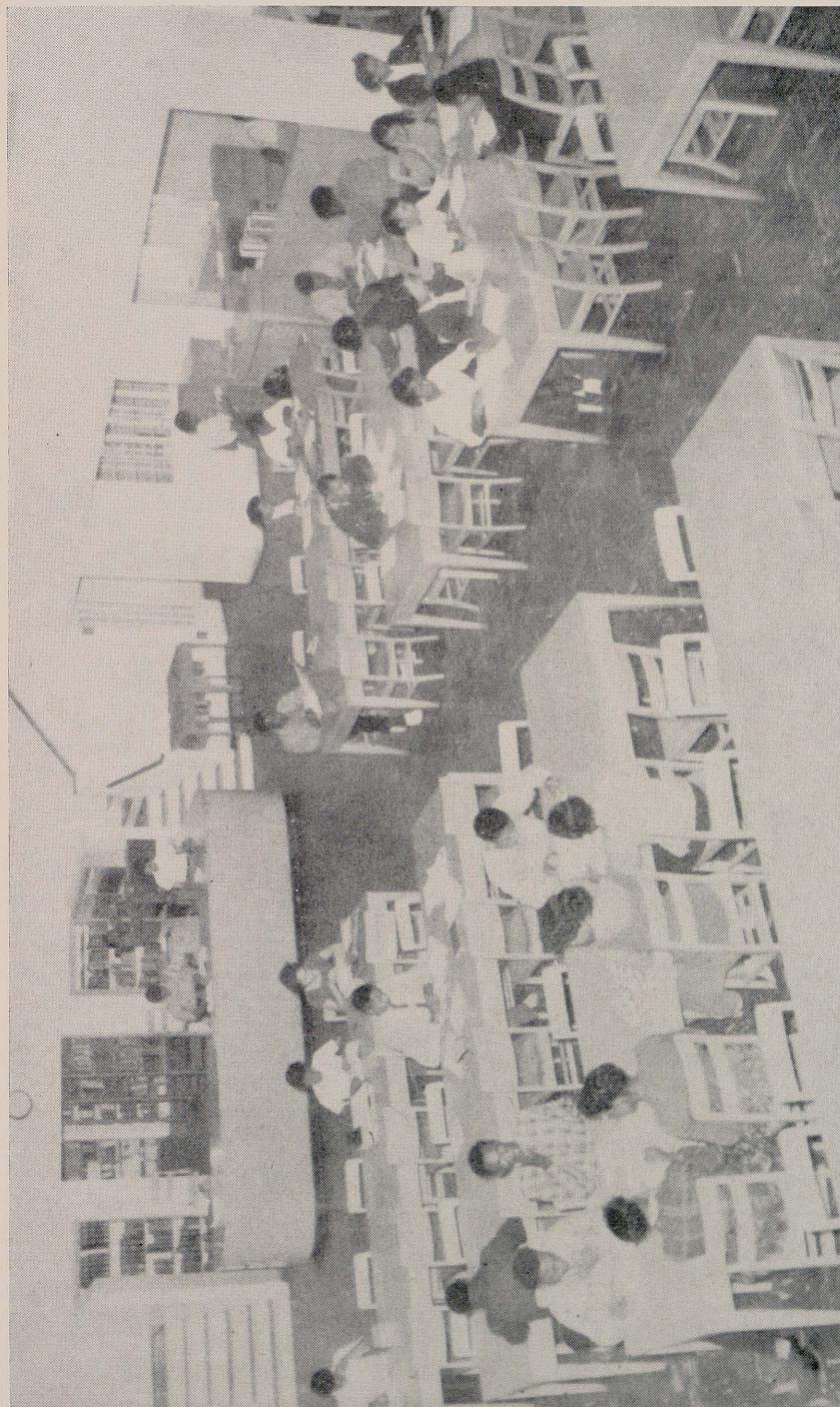
Students who enroll for 12 semester hours or more  
for two 30 minute lessons per week:

Piano .....	\$25.00
Voice .....	25.00

All tuition and fee charges are subject to change by the Texas State Legislature.



## LIBRARY FACILITIES





### Non-Resident Fee

Students whose residence is outside the State of Texas, and who are thereby classified as non-resident students according to the definition provided by House Bill 507 (enacted by the Fiftieth Legislature of the State of Texas), are charged a non-resident fee of \$200 per semester for a full student load of twelve hours or more in accordance with the provisions of House Bill 507. The non-resident fee is subject to change without notice.

For less than twelve semester hours the non-resident rate is \$25.00 per semester hour, with a minimum of \$25.00.

### Refund Policy

During the regular session the tuition charge for withdrawals effected during the first two weeks of classes is 20 per cent of the regular tuition fee. To qualify for the refund the applicant must have withdrawn by completing proper forms in the Dean's Office.

## ACADEMIC INFORMATION

### System of Grading

The grade of "A" denotes excellent progress and yields 3 quality points per credit hour.

The grade of "B" denotes good work and yields 2 quality points per credit hour.

The grade of "C" denotes fair or average work and yields 1 quality point per credit hour.

The grade of "D" denotes poor, though passing work, but yields no quality point.

The grade of "I" indicates incomplete work that must be completed satisfactorily within the following semester. After this time, it is changed to "F".

The grade "W" indicates withdrawal from the course and yields no credit. Grade "P" attached to grade "W" indicates that the student was passing when he withdrew, whereas "F" attached to grade "W" indicates that student was failing when he withdrew.

The grades of "W" and "F" are final and cannot be removed from the student's record. Credit for courses yielding these grades can be obtained only by repeating the courses in residence.

### Reports of Grades

Reports of students' grades and standing are mailed to parents at the end of each semester. Parents are also notified following mid-semester reports in the case of students whose work has been reported unsatisfactory.



### **Supplemental Emphasis**

This program has been designed to meet the needs of the Freshmen students who reflect weaknesses in the study skills and reading. Stress is placed on oral and written expression, vocabulary building and reading effectively and listening.

Required of all Freshmen.

### **Grades and Reports**

A final grade is reported at the close of each semester. The standing of the student in each course is determined by his daily performance, by regular examinations and by projects and contracts. Adequate preparation is expected of each student. Two hours is considered a reasonable amount of time for average students in preparation for each hour of class work.

### **Explanation of Hours, Courses, Numbering and Credit**

One semester hour represents one class hour per week for four and a half months; for example, one course meeting three hours a week for nine months would secure credit for six semester hours.

Courses are numbered as follows: The first digit of the number indicates the college year in which the course is taken, the second digit in the number indicates the semester of the college year in which the course is taken; the final digit indicates the credit value of the course in semester hours; thus, English 123 indicates that the course is the first year, second semester English with a credit value of three semester hours.

### **Student Load**

A normal load is fifteen or sixteen hours per semester.

### **Prerequisite Courses**

The description of each course includes a specification of prerequisite courses, if any.

### **Sophomore Seminar**

This Sophomore Seminar has been designed to develop the full potential of the student completing two years of college work by providing programs which will encourage and stimulate his academic growth.

The program provides for student participation. Each student is assigned to an advisor from his major field.

### **The Dean's List**

To promote high standards of scholarship, the college has established an honor roll called the Dean's List.

The honor roll is released at the end of each semester and all students who have earned a minimum quality point average of 2.00 and no grade below "C", nor any incomplete grades, are placed on the honor roll. Only students who are registered for the regular load of fifteen semester hours are eligible for the honor roll.

### **Guidance and Counseling**

The College offers a program in testing, guidance and counseling, under the supervision of the Committee on Guidance and

Counseling. All beginning freshman are required to take a series of standardized tests which serve as a basis for future counseling.

The American College Test (ACT) is required of all freshmen.

#### **Attendance**

Regular class attendance is fundamental for the success of the student; therefore a student must report promptly and regularly to all classes. Excessive absence will be cause for dropping the student from the rolls, and will affect grades.

Students are allowed three cuts per class per semester.

There are no excused absences; some absences, however, are authorized by the College. An authorized absence is one caused by student travel outside the city to participate in such sponsored activities as athletics, music, dramatics, conventions and field trips.

#### **Pre-Professional Courses Offered**

All courses offered are approved by the Texas Education Agency.

Pre-professional courses are offered in: Nursing, Dentistry, Medicine, Pharmacy, Engineering, Teaching and Social Work.

#### **Withdrawal**

A student wishing to withdraw from a course or from the college after having registered should apply to the Dean for permission. Failure to comply with this regulation will result in the student being given "F" in the course.

#### **Transfer To Other Institutions**

Colleges differ in their curricula, and a student should secure the catalogue of the institution to which he intends to transfer. The student should plan his course for his first two years in accordance with the degree plan of the institution to which he will transfer.

### **REQUIREMENTS FOR GRADUATION**

#### **Associate In Arts Degree**

Students who complete specified requirements for graduation and make application, receive the Associate in Arts Degree. Students must complete sixty semester hours of work (exclusive of Physical Training and Orientation) with an average of at least C. The sixty semester hours must include twelve semester hours in English, six semester hours in Government, six semester hours in History of the United States and at least 15 semester hours of Sophomore rank. However, the degree will be granted to any student completing any required sixty semester hours of a baccalaureate degree plan, provided six semester hours in government and six semester hours in history are included and the general average is at least a C.

#### **Certificate Of Proficiency**

Proficiency Certificate—Students who satisfactorily complete certain courses of a vocational nature and meet specific requirements are awarded Certificates of Proficiency.



**DESCRIPTION OF COURSES**

(Courses listed will be offered only if there is sufficient enrollment in them.)

**BUSINESS ADMINISTRATION****113T—Typewriting (2-3)**

A beginning course in typewriting, including keyboard mastery together with the application of this skill to letter writing and manuscript writing. Emphasis is placed on the use and care of the machine.

**123T—Typewriting (2-3)**

A continuation of 113T.

**213T—Advanced Typewriting (1-4)**

Emphasis upon speed, accuracy, letter writing, business forms, typing from rough drafts, artistic typing, tabulations and manuscript writing. Prerequisite: 113, 123.

**223T—Advanced Typewriting (1-4)**

A continuation of 213T.

**114S—Shorthand (2-3)**

A beginning course in the principles of Gregg Shorthand designed to develop an understanding of the basic principles of the Shorthand system and the application of these principles to an extensive shorthand vocabulary. Elementary dictation and transcription powers are developed concurrently with the training in shorthand theory.

**124S—Shorthand (2-3)**

A continuation of 114S.

**214S—Advanced Shorthand and Office Procedure (3-7)**

Continued study and review of the principles of shorthand. Emphasis on speed building and transcription.

In the second semester emphasis is on taking dictation at high rates of speed. Dictation is given in the legal, medical, and other technical fields as well as general office routine. Prerequisite: 114S, 124S.

**224S—Advanced Shorthand and Office Procedure (3-7)**

A continuation of 214S.

**114B—Bookkeeping (3-3)**

A study of basic principles of bookkeeping including organization of statement accounts.

**124B—Bookkeeping (3-3)**

A continuation of 114B.

**223D—Dictation and Transcription (1-4)**

A course designed to develop speed and the taking of transcription of shorthand notes. Prerequisite: one year of shorthand. (1-4)

**213ST—Secretarial Training (1-4)**

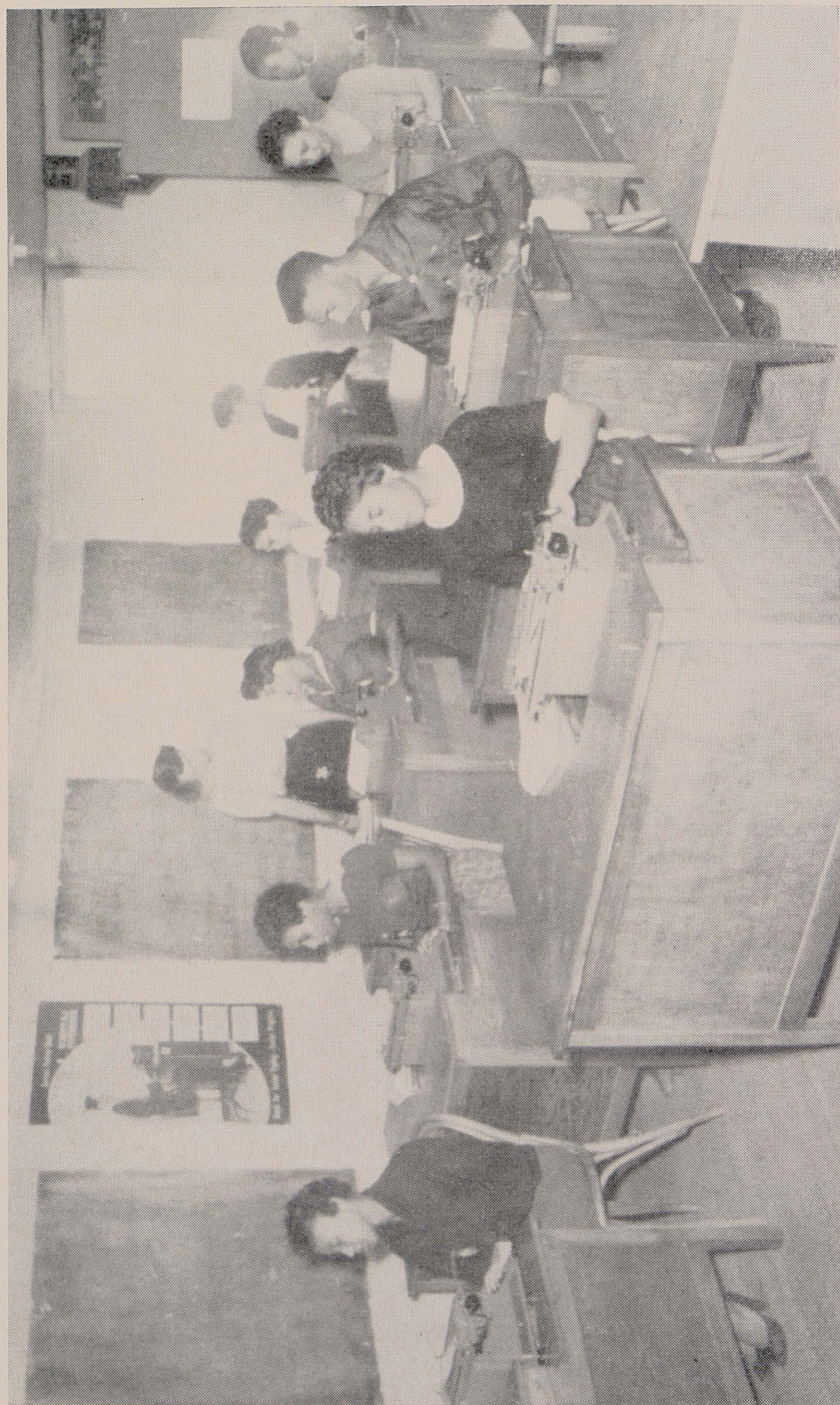
A course designed for students who are interested in the secretarial field. It covers speed dictation, transcription, office ethics, duplicating, office machines, filing and postal information; practice is given in interviewing callers, attending business conferences, and in telephone technique.

**223OP—Office Practice (1-4)**

A practical presentation of business customs and procedure, with assignments given as nearly as possible under actual office conditions, and with special attention to the use of office machines in routine secretarial work.



## TYPEWRITING AND LABORATORY





**213—Business Law (3-0)**

Fundamental principles of law most frequently involved in business transactions, including contracts, sales partnerships, master and servant, principal and agent, corporation, negotiable instruments, property bailments, and common carriers, with the view of enabling business men to avoid litigation.

**213I—Introduction to Business (3-0)**

The nature of business and its relationship to society; functions common to all business, finance, production, markets, administration and management.

**214EA—Elementary Accounting I (3-3)**

The work of this course is planned to acquaint the student with the fundamental principles of accounting. The course includes such topics as the balance sheet, the profit and loss statement, adjusting and closing entries, books of original entry, the work sheet. Attention is given to the accounting problems of the three chief forms of organization—the single proprietorship, the partnership, and the corporation.

**224EA—Elementary Accounting II (3-3)**

A continuation of 214EA.

**213BO—Business Organizations (3-0)**

A study of the various forms of business organization such as individual proprietorship, partnership and corporations.

## EDUCATION

**111—Orientation-Psychology of Personal Adjustment (1-1)**

A consideration of those basic problems which will confront the student in his effort to make satisfactory personal adjustment to school and life. Both psychological and sociological in nature, the course endeavors to stimulate the student to begin development of a personal philosophy. Required of all new students.

**113—Introduction to Education (3-0)**

The professional aspects of the educative process, in terms of a general orientation and survey of education. Prerequisite to all other courses in education.

**123—General Psychology (3-0)**

Introduction to the field of psychology, dealing with such topics as heredity and environment, intelligence, emotions, sources of motivation, the operation of the central nervous system, the functioning of the sense organs, and the scientific method in psychology.

**213—Educational Psychology (3-0)**

An introductory study of important phenomena of mental life with especial reference to the learning process. It includes the study of the fundamental laws involved in the acquisitive and productive mental processes.

The inborn psychological and biological response pattern of the child as well as possibilities and techniques for the modification of these responses through the education process, receives consideration.

## ENGLISH, PUBLIC SPEAKING, DRAMATICS

**111—Reading (1-1)**

To aid freshmen who lack sound reading and study habits as evidenced by scores on diagnostic tests. Training is provided for the development of the following skills: word recognition, vocabulary development, rate of comprehension and effective study habits.



**113.—Composition and Rhetoric (3-0)**

A review of the principles of grammar, sentence structure, punctuation, and composition; theme writing; assigned library reading; the development of reading ability is stressed; individual conferences.

**123.—Composition and Rhetoric (3-0)**

A continuation of the study of English 113. Emphasis on the short composition and the writing of investigative papers.

**113A.—Journalism—News Gathering and Reporting (3-4)**

Instruction and practice in interviewing and writing; discussion of news sources, news values, and various types of news stories. Laboratory work on the college paper.

Admission by permission of the Dean.

**123A.—Journalism—News Gathering and Reporting (3-4)**

A continuation of 113A.

**213A.—Survey of English Literature (3-0)**

Representative English authors and works illustrating the spirit of the people, their culture and their ideas, through successive periods.

**223A.—Survey of English Literature (3-0)**

A continuation of 213A.

**213.—World Literature (3-0)**

A survey of the literatures of all the great civilizations of the past and present and a sampling of some of the more important items in each civilization.

**223.—World Literature (3-0)**

A continuation of 213.

**213E.—Business English (3-0)**

This course deals with the development of the vocabulary; purpose, form and content of business letters and other types of communication with a business flavor, and a study of the various methods of effective writing.

**213S.—Fundamentals of Speech (3-0)**

This course has for its purpose the development of the student's speaking voice, with attention to his social needs and an analysis of speech situations. The organization and presentation of material on various subjects for different occasions is emphasized.

**223S.—Public Speaking**

Practice in the use of the voice, in the planning and delivering of speeches, in parliamentary procedure, and in group discussion.

**201.—Dramatic Production Activities (1-1)**

Introduction to the art of acting. Varied projects in acting and rehearsal.

## ART

**113.—Art—Creative Design (2-4)**

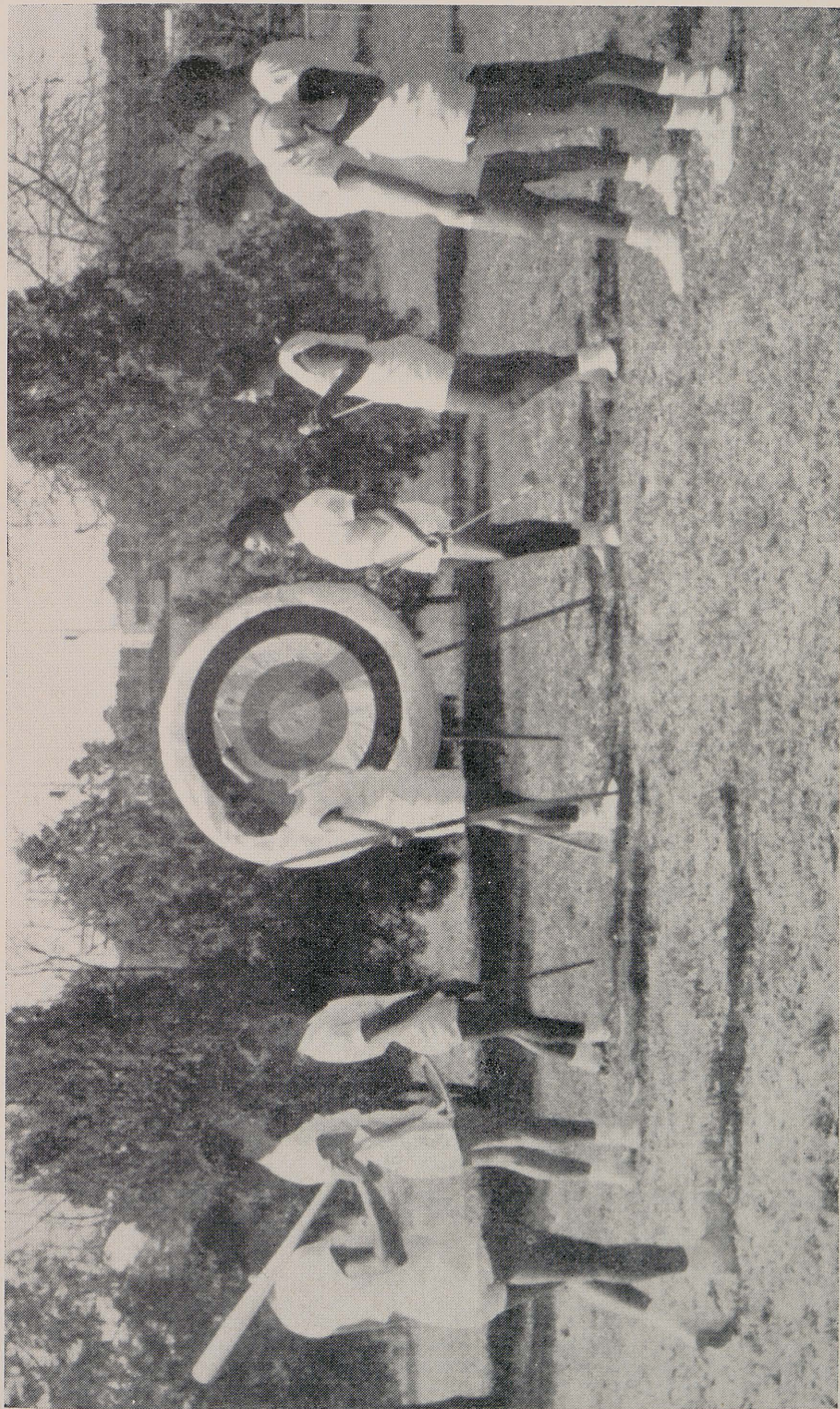
Fundamental experience with various materials; emphasis upon the development of an awareness of the factors of visual expression, color and form. Emphasis upon design.

**113B.—Art—Introduction to Art Appreciation (3-0)**

The purpose of this course is to give a better understanding of the part art plays in the home, the community, religion, industry, and commerce. Studies of examples of the art of the past are compared with contemporary work.



PHYSICAL TRAINING CLASS





## FOREIGN LANGUAGE

**114—Elementary French (3-2)**

A study of the essentials of grammar, reading of idiomatic prose, and oral and written reproduction. Stress is laid on the correct pronunciation and oral drills.

**124—Elementary French (3-2)**

A continuation of 114.

**213—Intermediate French (3-0)**

Primary objectives of this course include accuracy of pronunciation, knowledge of the fundamental structure of the French language, ability to read with ease French of average difficulty, and acquaintance with some of the more important trends of French thought. Reading materials are chosen from representative works of fiction, drama, poetry, and essays.

**223—Intermediate French (3-0)**

A continuation of 213.

**114—Spanish—Beginner's Spanish (3-2)**

Drill in pronunciation and the grammar of the Spanish language with written exercises, dictation and conversation in Spanish.

**124—Spanish (3-2)**

Composition and reading. Prerequisite: Spanish 114 or two admission units in Spanish from high school.

**213—Spanish (3-0)**

A survey of the literature of Spain. As a basis for the comprehension of the literature, a survey of Spanish history, both political and literary. Lectures in Spanish. Outside reading is assigned.

**223—Spanish (3-0)**

A continuation of 213.

## HEALTH AND PHYSICAL EDUCATION

**Physical Education 111M, 121M, 211M, 221M,—Physical Training for Men (1-1)**

Required of all men students, each semester. Provides recreation while developing physical fitness and proper attitude toward health. Football, softball, basketball, baseball, volleyball, handball, track, tennis, table tennis, golf, archery, tap dancing, modern dancing and calisthenics.

**Physical Education 111W, 121W, 211W, 221W—Physical Training for Women (1-1)**

Required of all women students, each semester. Provides recreation while developing physical fitness and proper attitude toward health. Softball, basketball, volleyball, handball, track, tennis, table tennis, golf, archery, tap dancing, modern dancing and calisthenics.

**Physical Education 111D—Modern and Social Dance****Physical Education 100—Beginner's Activities****Physical Education 200—Fundamentals of Rhythm****113—Introduction to Physical Education (3-0)**

This course is designed for the orientation of students who intend to major in physical education. It traces the development of modern physical education; its place in the school program; standards for the program etc.

**123—Personal and Community Health (3-0)**

This course aims at developing in students a health consciousness whether personal or environmental. Deals with the system of the body, and the environment in which we live.

**213—Playground and Community Recreation (3-0)**

A brief historical review of the growth of the play movements; organization of community activities.

**HOME ECONOMICS****113—Home and Family Living (3-0)**

A general course covering units on selection, preparation and serving of food; child feeding and care; family relations, home management, equipment, and its care. A discussion of etiquette for various occasions, with practical experience in serving as host and hostess. A study of the selection of clothing with reference to the occasion, general type and economy.

**113A—Elementary Design (1-4)**

Basic principles applied to everyday living. Space, pattern texture, line and color as related to clothing, home furnishing and arrangement and table decoration. Art Appreciation.

**213A—Related Art (1-4)**

Fundamental principles in design applied to the home and dress.

**213—House Planning and Interior Decoration (1-4)**

House plans with emphasis on utility, convenience, and beauty; application of design principles to selection and arrangements of wall coverings, rugs, furniture, curtains, pictures, and accessories.

**123—Clothing Selection and Elementary Construction (2-4)**

This course includes a study of textile fibers with reference to their sources, characteristics and identification. A study of fitting and special fitting problems are emphasized. Problems are selected according to the ability and learning experiences of the student.

**223A—Clothing Selection and Construction for the Family (2-4)**

In this course the selection and care of clothing are emphasized. Planning and making clothes to suit family spending is considered. Emphasis is placed on problems of sewing, shopping, and designing to fit the family needs.

**213EF—Elementary Foods: Preparation and Nutrition (2-4)**

This course deals with selection, cost and preparation of food; economical habits of work and basic proportions of recipes. Fundamental health habits and the essentials of an adequate diet; nutritive values of common foods; selections of food to meet the needs of persons of different ages and activities.

**223PS—Meal Preparation and Service (2-4)**

The selection, purchase, preparation and service of foods to meet the dietary needs of the family group are emphasized. Meals at various income levels are planned.

**MUSIC****113A—Ear Training and Sight Singing (3-0)**

Ear training and sight singing in the minor and major mode and dictation. Original melody writing, inverted, augmented, diminished intervals and elementary chord formation.



**123A—Ear Training and Sight Singing (3-0)**

A continuation of 113A.

**113—Elementary Harmony (3-0)**

Harmonic phenomena of tones through scales, intervals, and chords, and chordal progressions. General harmonization through the Dominant Seventh Chord, and some of the second chords.

**123—Elementary Harmony (3-0)**

A continuation of 113.

**113MH—Music History and Appreciation (3-0)**

A study of the origin and development of the chief vocal and instrumental forms of music literature, representative of the various epochs of musical history, designed to net the student a greater appreciation of the many types of music that he hears today.

**113—Piano (2-6)**

Major and minor scales in four octaves using double and triple rhythms in various accents. Two half-hour lessons and 15 hours practice weekly.

**123—Piano (2-6)**

A continuation of 113.

**213—Piano (2-6)**

Advanced technical exercises to the difficult grade of Czerny, op. 740. Sonatas of Haydn and Mozart continued and earlier sonatas of Beethoven. Composition of Chopin, Schumann, Raff, Chaminade and Schubert are studied.

**223—Piano (2-6)**

A continuation of 213.

**113—Voice (2-6)**

Study of tone production, breathing, flexibility and phrasing. Two half-hour lessons and six hours practice per week.

**123—Voice (2-6)**

A continuation of 123.

**213—Voice (2-6)**

Diatonic and chromatic scales. Tone production, vocal embellishments, legato and staccato style; additional songs and a selection list of English songs; and selections in French. Two half-hour lessons and six hours practice per week.

**223—Voice (2-6)**

A continuation of 213.

**110-120P—Piano (2-6)**

Non-credit preparatory work in piano offered for beginner students and for students not sufficiently advanced to meet requirements for music major courses.

**110V - 120V—Voice (2-6)**

Non-credit preparatory work in voice offered for beginning students and for students not sufficiently advanced to meet requirements for music major courses.

**111C—Band (1-1) Campus Band**

Open to any student who has had suitable training. Three hours per week.

**111D—Band (1-1) Dance Band**

Open to any student who has had suitable training. Three hours per week.



SCIENCE LABORATORY





## SCIENCE AND MATHEMATICS

**113—Elementary Physical Science (2-2)**

A general survey course of the physical sciences including areas of astronomy, chemistry, geology, meteorology and physics. This course is designed to aid the student in the development of an understanding of the physical phenomena of the universe. For non-majors.

**123—Elementary Biological Science (2-2)**

A general survey course including the areas of zoology and botany with special emphasis on the human organism. For non-majors.

**Biology 114—General Biology (3-3)**

A study of the animal kingdom with emphasis on the origin and nature of the living state, and on the biological principles which regulate structure, function, heredity, and evolution. Special attention is placed on human biology.

**Biology 124—General Biology—Botany (3-4)**

The fundamental structures and functions of a typical flowering plant with emphasis on the basic processes and economic aspects. Also, representatives of the different kinds of plants presented to show their relationships to all forms of life. Representative plants from the various groups are studied in relation to their environment.

**213—Human Anatomy and Physiology (3-4)**

A survey of the structure of the body and their functions. Muscle and nervous systems; physiology of exercise; sense organs; endocrine glands; vitamins and growth; basal metabolism and energy output.

**224—General Bacteriology (3-4)**

This course deals with the morphology, physiology, and classification of bacterial diseases of plant and animals; bacteriology of foods, dairy products, water, soil, and industry. Field trips to local points of interest are made and techniques for studying bacteria are emphasized. Prerequisite: Biology 114-124.

**114—General Inorganic Chemistry (3-4)**

The first semester deals with the composition, structure, changes of matter and the laws governing these changes; fundamentals of modern concepts. The second semester deals largely with properties, preparation, and identification of the elements and their inorganic compounds.

**124—General Inorganic Chemistry (3-4)**

A continuation of 114.

**214—Organic Chemistry (3-4)**

The aliphatic compounds of carbon. Special emphasis is placed upon the relationship existing between the various homologous series of organic compounds, their reactions and their synthesis. Prerequisite: Chemistry 114-124.

**224—Organic Chemistry (3-4)**

A continuation of the chemistry of the aliphatic compounds and an introduction to the chemistry of aromatic carbon compounds. Prerequisite: Chemistry 214.

**113—Elements of Applied Mathematics (3-0)**

A course in the significant principles of different fields of mathematics taught so as to emphasize their natural and numerous inter-relations. The course is taught in terms of business arithmetic, special applications of higher mathematics, and relations such as consumers will need.

**123—Elements of Applied Mathematics (3-0)**

A continuation of 113.

**113C—College Mathematics I (3-0)**

A one-year course designed to meet the needs of the student who plans to end his formal mathematical training with this course. A comprehensive modern treatment of elementary mathematics. Attention is given to the cultural effects of mathematics on our civilization.

**123C—College Mathematics II (3-0)**

A continuation of 113C.

**113A—College Algebra (3-0)**

Elementary operations, simultaneous linear and equations and determinants, quadratic equations, binomial theorem, progressions.

**113B—Plane Trigonometry (3-0)**

A course dealing with angular measurements, trigonometric functions, solutions of triangles, applications, logarithms.

**123A—Plane Analytic Geometry (3-0)**

The study of lines, and curves by use of algebra and trigonometry including rectangular and polar co-ordinates, conic sections parametric equations. Prerequisite: Algebra 113A, Trigonometry 113B.

**123D—Solid Analytic Geometry (3-0)**

Coordinate systems in space, projection of a line segment, direction cosines, angle between two lines and two planes, and all types of quadric surfaces. Prerequisite: Mathematics 123A.

**123B—Business Mathematics (3-0)**

A review of the fundamental processes; common and decimal fractions; aliquot parts; percentage, discount, simple and compound interest; selling and billing; comparative statements; commissions; pay rolls, social security and other taxes; negotiable instruments; inventories; turnovers; depreciation; distributions of overhead; insurance; annuities; stocks and bonds, and logarithms.

**213—Differential Integral Calculus (3-0)**

A first course in the differential and integral calculus. The process of integration is introduced early in the course, together with its application to the sciences. Theory, illustrative material, and applications are combined. The application of the calculus to the problems of natural science is stressed.

**223—Differential Integral Calculus (3-0)**

A continuation of 213.

**211—Use of the Slide Rule (1-1)**

The course is designed to teach the slide rule manipulations used in the solutions of problems of the type found in elementary chemistry and physics courses. All students are required to have linear and circular slide rule with log log scales. Lecture and laboratory one hour per week. Prerequisite: Mathematics 113B taken concurrently.

## SOCIAL SCIENCE

**213—Principles of Economics (3-0)**

A study of the forces and institutions governing modern economic society; production; consumption, prices, wages, interest, profits, rent, money, banking, credit, international trade and finance. Prerequisite: Sophomore standing.

**223—Economic Problems (3-0)**

A study of contemporary economic issues and problems. Prerequisite: Sophomore standing.



**213—American Government (3-0)**

A course dealing with organization, principles and actual working of American national government. Emphasis upon relations of citizens to the government and upon duties and obligations of citizenship.

**223—National and State Government (3-0)**

A study of the National and Texas Constitutions with emphasis upon the relationship existing between the two.

**113—History of Western Civilization (3-0)**

A general survey course of Western civilization from earliest to contemporary times. The aims of the course are to present a balanced perspective of the origins and evolution of the social, economic, cultural and political customs and institutions of the people of the West.

**123—History of Western Civilization (3-0)**

A continuation of 113.

**213—History of the United States (3-0)**

A survey of the evolution of American political, social and economic thoughts and traditions. An evaluation of the United States as a world Power, its program of empire, and its responsibility in the Western Hemisphere.

**223—History of the United States (3-0)**

A continuation of 213.

**213—Survey of European History (3-0)**

A study of the rises and development of European civilization from medieval times through the present period. Particular emphasis is given to the social, economic, and political institutions and the development of Western civilization and culture.

**223—Survey of European History (3-0)**

A continuation of 213.

**213—Introduction to Sociology**

A course designed to acquaint the student with the sociological viewpoint. Emphasis is placed upon the aims and objectives of sociology as a science, the cultural process, and its place in human relations.

**223—Social Problems (3-0)**

The study and analysis of the major social problems of modern society. Prerequisite: Sophomore standing.

**213—Geography of North America (3-0)**

A geographic analysis of the nations of North America; the correlations of their natural resources and other environment factors with their economics and social structure and development.

## DISTRUBUTIVE EDUCATION

Distributive education courses are organized whenever there is a request by a sufficient number of persons for such a class.

These classes are taught in either the regular day session or in the Evening College to suit the need of the students.

# TYLER DISTRICT COLLEGE

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